Contents of Volume 144

Research Articles

A. F. Mensinger and J. F. Case (USA)
Luminescent properties of deep sea fish 1

I. Bahamondes-Rojas and M. Dherbomez (France)
Purification partielle de substances glyconjuguées capables d'induire la métamorphose des larves compétentes d'*Eubranchus doriae* (Trinchèse, 1879), mollusque nidibranche 17

R. E. Weber, M. Lykke-Madsen, A. Bang, A. De Zwaan and P. Cortesi (Denmark, Italy and The Netherlands)
Effects of cadmium on anoxic survival, haematology, erythrocytic volume regulation and haemoglobin–oxygen affinity in the marine bivalve *Scapharca inaequivalvis* 29

R. E. Weber (Denmark)
Effects of mercury on the functional properties of haemoglobins from the bivalve mollusc *Scapharca inaequivalvis* 39

D. R. Robertson (USA)
Differences in the seasonalities of spawning and recruitment of some small neotropical reef fishes 49

R. C. Prescott (USA)
Sources of predatory mortality in the bay scallop *Argopecten irradians* (Lamarck); interactions with seagrass and epibiotic coverage 63

D. A. Kreeger, R. I. E. Newell and C. J. Langdon (USA)
Effect of tidal exposure on utilization of dietary lignocellulose by the ribbed mussel *Geukensia demissa* (Dillwyn) (Mollusca: Bivalvia) 85

M. S. Davies, H. D. Jones and S. J. Hawkins (UK)
Seasonal variation in the composition of pedal mucus from *Patella vulgata* L. 101

G. E. Napolitano and R. G. Ackman (Canada)
Anatomical distribution of lipids and their fatty acids in the semipalmated sandpiper *Calidris pusilla* L. from Shepody Bay, New Brunswick, Canada 113

H. Yokoyama (Japan)
Life history and population structure of the spionid polychaete *Paraprionospio* sp. (form A) 125

J. Baldwin and R. M. G. Wells (Australia)
Oxygen transport potential in tropical elasmobranchs from the Great Barrier Reef: relationship between haematology and blood viscosity 145

R. W. Langton and W. E. Robinson (USA)
Faunal associations on scallop grounds in the western Gulf of Maine 157

J. B. Geller (USA)
Consequences of a morphological defense: growth, repair and reproduction by thin- and thick-shelled morphs of *Nucella emarginata* (Deshayes) (Gastropoda: Prosobranchia) 173

A. Clarke, M. A. Kendall and D. J. Gore (UK)
The accumulation of fluorescent age pigments in the trochid gastropod *Monodonta lineata* 185

G. J. Edgar (Australia)
Population regulation, population dynamics and competition amongst mobile epifauna associated with seagrass 205

E. R. Furman and A. B. Yule (UK)
Self-fertilisation in *Balanus improvisus* Darwin 235

Author Index of Volume 144 241